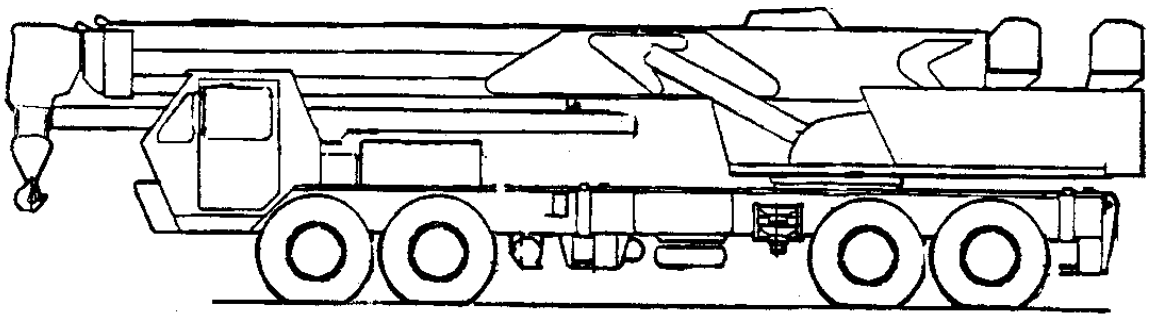
CRANE, 25-TON



SYSTEM IDENTIFIERS	
NOMENCLATURE:	Crane, Truck Mounted, 25 Ton
SSN:	X00804
LIN:	F43429
NSN:	3810-00-018-2021
AMIM NO:	------
EIC:	EKD
FUEL TYPE:	JP-8

SYSTEM DESCRIPTION

The Grove 300-5 25 ton crane is a commercial truck-mounted crane. It consists of a hydraulically operated telescopic crane with a full 360 degree traverse mounted on an eight-wheeled carrier. The vehicle features a three piece boom consisting of a boom base and two hydraulically extended and retracted sections. The boom has four point sheaves with roller bearings, extending to 80 feet and retracting to 32 feet. The operator controls the crane from an electronic control panel in the all weather, full vision, superstructure cab located offset the left side of the engine. Four hydraulic down and out type outriggers are used to stabilize the crane in operation. The crane is used by engineer units for construction and repair. It can also be used for pile-driving and clamshell operations. It is powered by a six valve, Detroit Diesel 6V53N diesel engine, generating 203 horse power. The 25 ton crane has a 65 gallon fuel capacity.

There are no separately authorized components associated with this weapon/materiel system.

CRANE, 25 TON

LIN	NSN	NOMENCLATURE

This summary provides an overview of FY 95 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analytical and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

CRANE, 25 TON
FY 95 TOTAL ARMY COST SUMMARY
(FY 95 Constant Dollars)

DENSITY

NUMBER OF SYSTEMS	232

DEPOT END ITEM MAINTENANCE (5.061)

OMA TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/END ITEM	$0.00
PROC (MODIFICATIONS)	$0

CLASS III-POL (5.05)

NOT AVAILABLE

DEPOT SECONDARY ITEM MAINTENANCE

DBOF TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/SECONDARY ITEM	$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

INTERMEDIATE MAINTENANCE

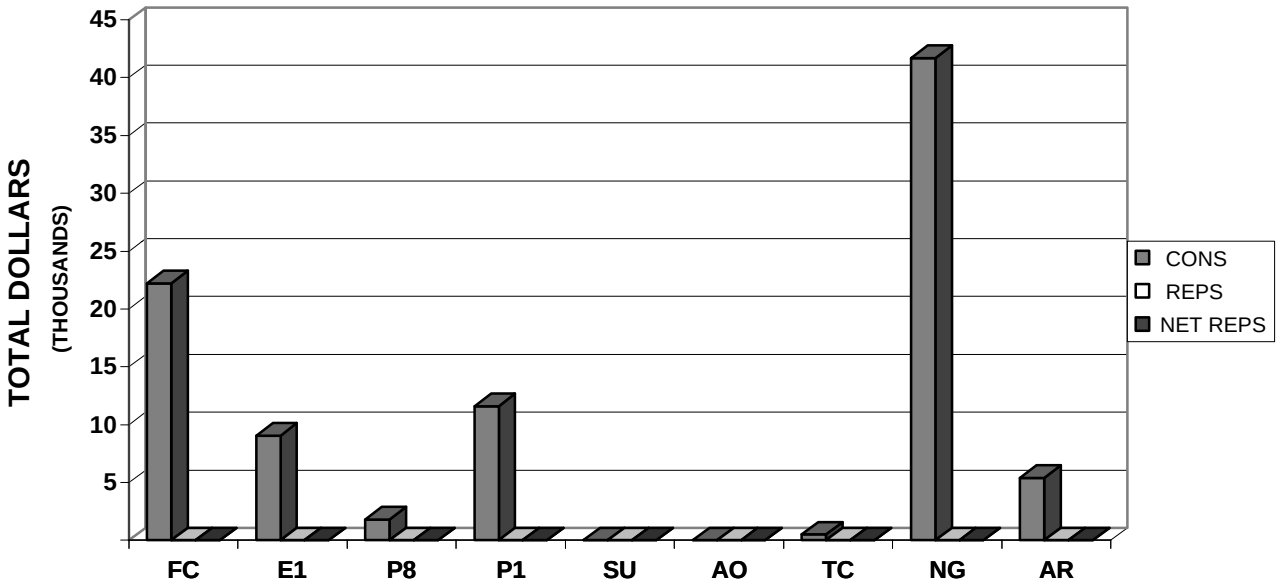
	DS/GS	CIVILIAN
MIL/CIV LABOR COST	$35,658	$28,472
AVG COST/SYSTEM	$153.70	$813.49
MAINTENANCE MANHOURS	2,100	3,318
MMHs/SYSTEM	9.05	94.80

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 95 DOLLARS	AVG COST PER SYSTEM
CONSUMABLES	$92,314	$397.91
NET REPARABLES	$0	$0.00
NET TOTAL COSTS	$92,314	$397.91

The following graph and table display FY 95 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

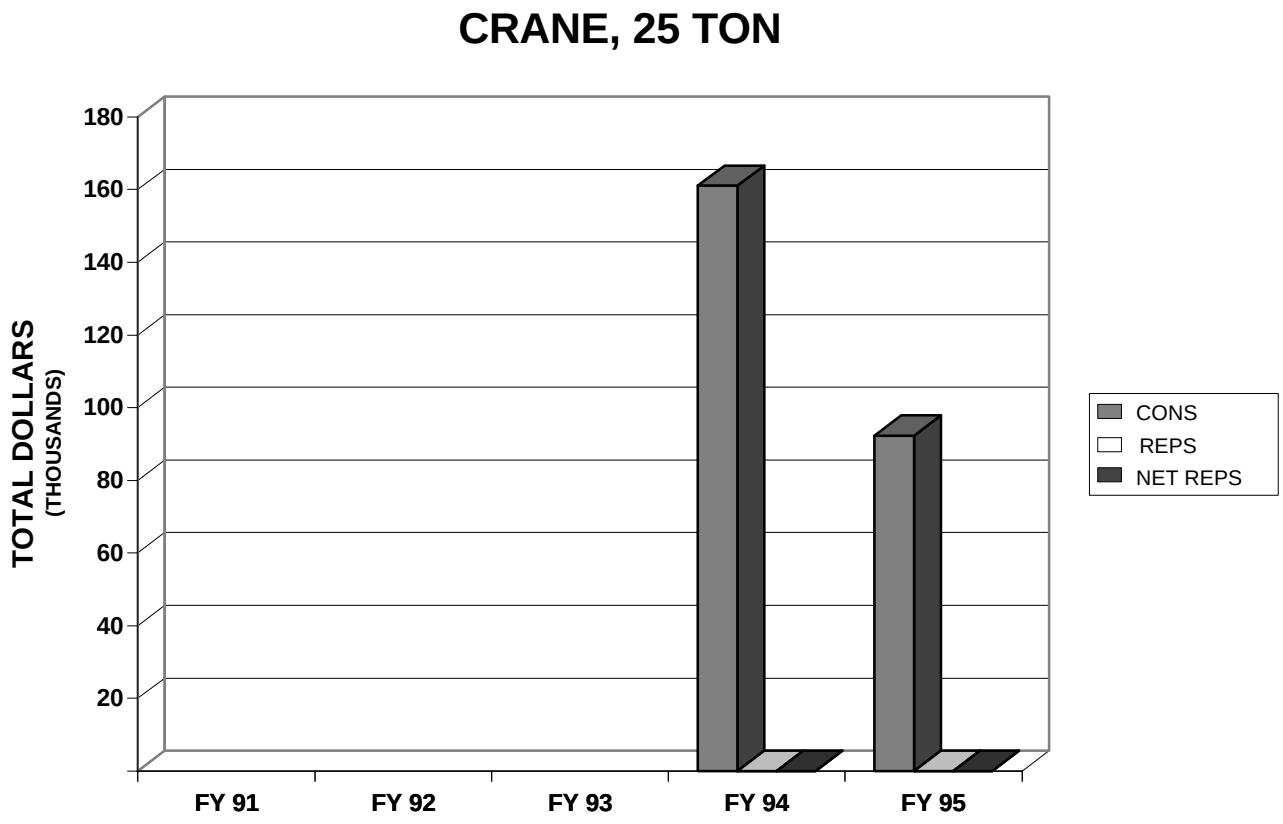
CRANE, 25 TON



CRANE, 25 TON
FY 95 MACOM CLASS IX COSTS

MACOM CODE	MACOM NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEMS
FC	FORSCOM	22,207	0	0	22,207	26	854
E1	USAREUR	9,072	0	0	9,072	7	1,296
P8	EUSA	1,797	0	0	1,797	3	599
P1	USARPAC	11,610	0	0	11,610	15	774
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	508	0	0	508	9	56
NG	ARNG	41,709	0	0	41,709	80	521
AR	USAR	5,411	0	0	5,411	92	59
TA	TOTAL ARMY	92,314	0	0	92,314	232	398

The following graph and table display FY 91-95 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.



CRANE, 25 TON FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEMS
FY 91						
FY 92						
FY 93						
FY 94	161,060	0	0	161,060	183	880
FY 95	92,314	0	0	92,314	232	398

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 95 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army.

CRANE, 25 TON
FY 95 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	HULL/FRAME	23,861	0	0	23,861	232	103
02	SUSPENSION/STEER	10,226	0	0	10,226	232	44
03	PWR PKG/DRIVE TR	32,668	0	0	32,668	232	141
04	AUXILIARY AUTO	3,778	0	0	3,778	232	16
05	TURRET ASSEMBLY	0	0	0	0	0	0
06	FIRE CONTROL	0	0	0	0	0	0
07	ARMAMENT	0	0	0	0	0	0
08	BODY/CAB	0	0	0	0	0	0
09	AUTO LOADING	0	0	0	0	0	0
10	AUTO/REMOTE PILO	0	0	0	0	0	0
11	NBC EQUIPMENT	0	0	0	0	0	0
12	SPECIAL EQUIPMEN	15,857	0	0	15,857	232	68
13	NAVIGATION	0	0	0	0	0	0
14	COMMUNICATIONS	0	0	0	0	0	0
15	VEH APPS SOFTWAR	0	0	0	0	0	0
16	VEH SYST SOFTWAR	0	0	0	0	0	0
17	INTEG, ASSY, TES	0	0	0	0	0	0
18	OTHER	5,924	0	0	5,924	232	26
	TOTAL	92,314	0	0	92,314	232	398

The following table displays FY 91-95 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are the summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

CRANE, 25 TON
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS	FY 95 NET TOTAL COSTS
01	HULL/FRAME				34,154	23,861
02	SUSPENSION/STEER				4,280	10,226
03	PWR PKG/DRIVE TR				99,815	32,668
04	AUXILIARY AUTO				4,212	3,778
05	TURRET ASSEMBLY				0	0
06	FIRE CONTROL				0	0
07	ARMAMENT				0	0
08	BODY/CAB				0	0
09	AUTO LOADING				0	0
10	AUTO/REMOTE PILO				0	0
11	NBC EQUIPMENT				0	0
12	SPECIAL EQUIPMEN				5,835	15,857
13	NAVIGATION				0	0
14	COMMUNICATIONS				0	0
15	VEH APPS SOFTWAR				0	0
16	VEH SYST SOFTWAR				0	0
17	INTEG, ASSY, TES				0	0
18	OTHER				12,764	5,924
	TOTAL				161,060	92,314
	NUM OF SYSTEMS				183	232
	AVG PER SYSTEM				880	398

CRANE, 25 TON
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

CRANE, 25 TON
CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 95 AMDF UNIT PRICE	FY 95 QTY	EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 94-95 TWO YEAR AVERAGE QTY	FY 94-95 TWO YEAR AVERAGE EXTENDED COST
1.	3815013610276	BOOM JIB,CRANE	12E	Z		J2200	14,179.32	1.00	14,179	61.12	0.4310	0.50	7,090
2.	2610002628653	TIRE PNEUMATIC T	02A	F		K21PP	148.00	61.52	9,105	39.25	26.5172	42.06	6,225
3.	2520001429250	TRANSMISSION,MEC	03H	F		J2100	3,568.52	2.00	7,137	30.76	0.8621	2.00	7,137
4.	2520001429149	TRANSMISSION,MEC	03H	F		J2100	5,456.85	1.00	5,457	23.52	0.4310	1.00	5,457
5.	4010010465241	ROPE,WIRE	18	Z		J2200	1.52	2,377.00	3,613	15.57	1,024.5690	3,394.88	5,160
6.	2520004357527	COVER ASSEMBLY,C	03H	Z		J2200	698.90	5.00	3,494	15.06	2.1552	6.00	4,193
7.	2920011293044	STARTER,ENGINE,E	03A	F		J2100	538.80	6.00	3,233	13.94	2.5862	5.51	2,969
8.	4810011859404	VALVE,SOLENOID	01A	Z		J2200	1,068.72	3.00	3,206	13.82	1.2931	4.00	4,275
9.	2540012001037	MIRROR ASSEMBLY,	01H	Z		J2200	586.86	5.00	2,934	12.65	2.1552	3.00	1,761
10.	2940008421878	FILTER ELEMENT,I	03A	Z		J2200	69.91	40.00	2,796	12.05	17.2414	35.00	2,447
11.	2540012001025	MOTOR,WINDSHIELD	01H	Z		J2200	465.92	5.00	2,330	10.04	2.1552	4.00	1,864
12.	2540011932896	MOTOR,WINDSHIELD	01H	Z		J2200	458.69	4.00	1,835	7.91	1.7241	2.00	917
13.	5330010784971	SEAL,KIT	01A	Z		T2200	92.58	19.00	1,759	7.58	8.1897	29.50	2,731
14.	5330009571527	SEALXPLAIN ENCAS	01A	Z		T2200	10.90	137.89	1,503	6.48	59.4353	174.41	1,901
15.	2990012229696	PIPE,EXHAUST	03F	Z		J2200	88.73	16.00	1,420	6.12	6.8966	11.00	976
16.	3810013192781	FLOAT,OUTRIGGER,	12E	Z		J2200	1,328.10	1.00	1,328	5.72	0.4310	1.00	1,328
17.	4010010462533	ROPE,WIRE	18	Z		J2200	358.63	3.00	1,076	4.64	1.2931	1.50	538
18.	2530001909437	CHAMBER,AIR BRAK	03Q	Z		J2200	169.11	6.00	1,015	4.38	2.5862	8.00	1,353
19.	5995012045287	WIRING HARNESS,B	04A	Z		Q2200	320.45	3.00	961	4.14	1.2931	1.50	481
20.	2520012266293	PROPELLER SHAFT	03K	Z		J2200	957.16	1.00	957	4.13	0.4310	0.50	479
21.	3110001000329	CUPXTAPERED ROLL	01H	Z		T2200	8.57	81.00	694	2.99	34.9138	40.61	348
22.	2540012232859	LATCH,DOOR,VEHIC	01H	Z		J2200	292.20	2.00	584	2.52	0.8621	2.00	584
23.	4720012000821	HOSE,NONMETALLIC	01A	Z		J2200	141.33	4.00	565	2.44	1.7241	5.00	707
24.	3040012531998	PARTS KIT,LINEAR	03K	Z		J2200	179.89	3.00	540	2.33	1.2931	3.50	630
25.	2920006909139	DRIVE,ENGINE,ELE	03A	Z		J2200	59.40	9.00	535	2.31	3.8793	10.54	626
26.	3030012734416	BELT,V	03H	Z		J2200	43.34	12.00	520	2.24	5.1724	15.00	650
27.	2910003159911	INJECTOR ASSEMBL	03A	Z		J2200	253.61	2.00	507	2.19	0.8621	1.00	254
28.	4010012750471	WIRE ROPE ASSEMB	18	Z		J2200	503.64	1.00	504	2.17	0.4310	0.50	252
29.	5995012045286	WIRING HARNESS,B	04A	Z		Q2200	495.17	1.00	495	2.13	0.4310	0.50	248
30.	2520007347587	SYNCHRONIZER AND	03H	Z		J2200	146.01	2.99	437	1.88	1.2888	3.59	524
31.	3040012343623	CONTROL ASSEMBLY	03K	Z		J2200	127.20	3.00	382	1.65	1.2931	3.00	382
32.	5945002644174	SOLENOID ELEC	04A	Z		Q2200	63.29	6.00	380	1.64	2.5862	4.00	253
33.	2910010228183	FILTER ELEMENT,F	03A	Z		J2200	3.01	125.66	378	1.63	54.1638	108.50	327
34.	6140012101964	BATTERY,STORAGE	18	F		K21PU	60.60	6.19	375	1.62	2.6681	11.90	721
35.	2920008888613	WINDING,MOTOR FI	03A	Z		J2200	45.98	8.00	368	1.59	3.4483	9.03	415
36.	4720012936171	HOSE ASSEMBLY,NO	01A	Z		J2200	90.38	4.00	362	1.56	1.7241	2.00	181
37.	6220000123617	LIGHT,MARKER,CLEARA	01A	Z		J2200	14.37	25.00	359	1.55	10.7759	18.50	266
38.	3110012525023	BEARING,BALL,ANN	01H	Z		T2200	176.10	2.00	352	1.52	0.8621	2.50	440
39.	4710012741934	TUBE ASSEMBLY,ME	01A	Z		J2200	175.32	2.00	351	1.51	0.8621	2.00	351
40.	2520007347588	SYNCHRONIZER,SHA	03H	Z		J2200	160.89	2.15	346	1.49	0.9267	2.95	475

NUMBER OF SYSTEMS 232

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

78,372	84.9%	TOP 40
13,942	15.1%	OTHERS
92,314		TOTAL

CRANE, 25 TON
COST DRIVERS
CLASS IX REPARABLES (DLRs)

NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 95AMDF UNIT PRICE W/O CREDIT	FY 95AMDF UNIT PRICE W/CREDIT	FY 95 QTY	EXTENDED COST W/CREDIT (QTY * UNIT PRICE)

NO DATA

CRANE, 25 TON
REPARABLES (DLRs)

AVERAGE COST (W/CREDIT) PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 94-95 TWO YEAR AVERAGE QTY	FY 94-95 TWO YEAR AVERAGE EXTENDED COST (W/CREDIT)

NO DATA

The following table summarizes FY 95 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture.

CRANE, 25 TON
FY 95 DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	0	0	0
OVERHEAD	0	0	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
QTY COMPLETED	0	0	0	0	0	0	0
AVG COST	0	0	0	0	0	0	0

The table below summarizes FY 95 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM DS/GS LABOR HOURS by the Army Manpower Cost System (AMCOS) E-5 composite standard rate ($16.98). CIVILIAN LABOR COSTS are a summation from the source data.

CRANE, 25 TON
FY 95 INTERMEDIATE MAINTENANCE COSTS

MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	171	2,904	885	16,219	18.33
USAREUR	139	2,360			
EUSA	105	1,783			
USARPAC	144	2,445			
USARSO	0	0			
USASOC	0	0			
TRADOC	0	0	2,433	12,253	5.04
ARNG	1,357	23,042			
USAR	184	3,124			
TOTAL ARMY	2,100	35,658	3,318	28,472	8.58

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 91-95 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 95 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. Blank columns indicate the system was not tracked in the OSMIS database during that fiscal year.

CRANE, 25 TON
FIVE YEAR DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 91	FY 92	FY 93	FY 94	FY 95	FY 91	FY 92	FY 93	FY 94	FY 95
CIVILIAN LABOR				0	0				0	0
MILITARY LABOR				0	0				0	0
MATERIEL				0	0				0	0
OVERHEAD				0	0				0	0
CONTRACT				0	0				0	0
OTHER				0	0				0	0
TOTAL				0	0				0	0
QTY COMPLETED				0	0				0	0
AVG COST				0	0				0	0

The table below summarizes FY 91-95 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance (CIV) are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 95 constant dollars. Civilian labor costs are a summation from the source data. Blank columns indicate the system was not tracked in the OSMIS database during that fiscal year.

CRANE, 25 TON
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS

MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENACE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 91	FY 92	FY 93	FY 94	FY 95	FY 91	FY 92	FY 93	FY 94	FY 95
FORSCOM				2,405	2,904				8,677	16,219
USAREUR				1,040	2,360					
EUSA				103	1,783					
USARPAC				3,002	2,445					
USARSO				0	0					
USASOC				0	0					
TRADOC				0	0				397	12,253
ARNG				16,086	23,042					
USAR				204	3,124					
TOTAL ARMY				22,840	35,658				9,074	28,472
LABOR HRS				1,339	2,100				442	3,318
COST PER HR				17.06	16.98				20.53	8.58

The following list shows the FY 95 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the Master File Maintenance (MFM). AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 95 TOTAL COST TO REBUILD/OVERHAUL by the FY 95 QTY COMPLETED.

CRANE, 25 TON
FY 95 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS
COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 95 TOTAL COST TO REBUILD/ OVERHAUL	FY 95 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA					

The following list shows the FY 95 Secondary Item Maintenance - Repairs Cost Drivers recorded in Master File Maintenance (MFM). AVG COST TO REPAIR is calculated by dividing the costs in FY 95 TOTAL COST TO REPAIR by the FY 95 QTY COMPLETED.

CRANE, 25 TON
FY 95 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS
COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 95 TOTAL COST TO REPAIR	FY 95 QTY COMPLETED	AVG COST TO REPAIR
NO DATA					

The following list shows the FY 91-95 Secondary Item - Rebuild/Overhaul Cost Drivers recorded in MFM. These five year Cost Drivers were revised from the previous years' report. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 91-95 TOTAL COST TO REBUILD/OVERHAUL by the FY 91-95 QTY COMPLETED.

CRANE, 25 TON
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS
COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 91-95 TOTAL COST TO REBUILD/ OVERHAUL	FY 91-95 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA					

The following list shows the FY 91-95 Secondary Item - Repair Cost Drivers recorded in MFM. These five year cost drivers were revised from the previous years' report. The AVG COST TO REPAIR is calculated by dividing the costs in FY 91-95 TOTAL COST TO REPAIR by the FY 91-95 QTY COMPLETED.

CRANE, 25 TON
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS
COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 91-95 TOTAL COST TO REPAIR	FY 91-95 QTY COMPLETED	AVG COST TO REPAIR
NO DATA					

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